Form PTO-14						i			ge 1 of 4
(REV. 2-82)	449 U. Pate	S. Department	of Comm	erce	•	Atty. Docket No. AP33438	Serie (	II No. 09/	982616
•	[ATI	ON DISCLO	SURE	STA	TEMENT	Applicant		R	CFIV
2 7000	Use s	BY APPLI several sheet		essary	y)	Filing Date August 16, 2000	Grou 173	3	OCT 0 7 20
St. J.	—							TECH	CENTER 160
LENT & TRADE				1	U.S. PATEN	NT DOCUMENTS			<del></del>
Exam.		Document No.			Date	Name	Class	Subclass	Filing Date if Appropriate
	5	9 5 8	7 2	3	9/28/99	Abramovitz et al.	435	69.1	
					FOREIGN PA	ATENT DOCUMENT			
		Document No.			Date	Country	Class	SubClass	Translator Yes No
		Jocamon						<u> </u>	<u> </u>
	<ul><li>5.</li><li>6.</li><li>7.</li></ul>	Guse AH. Cyc Guse AH, da H, Potter BV, ADP-ribose. N Lee HC. A u NAADP. Biol	directed in the control of the contr	Berg W. Re 99;398 echani	nesis. J. Biol. C a novel Ca <sup>2+</sup> n I, Skapenko Al gulation of cal :70-73. sm of enzyma 80:785-793.	F, Levitt D, Lee HC. Identific Chem. 2000;275:21566-21571 mobilising second messenger. L, Weber K, Heyer P, Hohene cium signalling in T lympho tic synthesis of two calcium	Cell. Signal 19 egger M, Asha cytes by the se	99;11:309-3 mu GA, Sch econd messe cyclic ADP	ulze-Koops enger cyclic
	8. 9.	controlled by ribose. J. Imm Munshi C. Tl	its ectod unol. 199	omain 99;162 Mathew	but occurs ind :2693-2702.	CD, Schuber F, Howard MC lependently of enzymatically s, Walseth TF, Lee HC. Char. 70-30777.	generated ADI	r-moose or v	.yelic ADI -
++	10.	Berthelier V,	Tixier J	M, Mi	uller-Steffner I 998;330:1383-	H, Schuber F, Deterre P. Hu			
nis	11.	Howard MC.	Mice del	icient	F, Grimaldi JC for the ecto-nic Blood 1998;92:	C, Muller-Steffner H, Randall cotinamide adenine dinucleotic 1324-1333.	TD, Lund FE de glycohydrol	, Murray R ase CD38 ex	, Schuber F, chibit altered

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

Page	2	٥f	4
IAEC	-	OΙ	٦

form PTO-	1449 U Pate	.S. Department of Commerce nt and Trademark Office	Atty. Docket No. AP33438	Serial No. 09/982616
		ON DISCLOSURE STATEMENT	Applicant	RECEIVE
o Tab	~3.7	BY APPLICANT several sheets if necessary)	Filing Date August 16, 2000	Group OCT 0 7 2002 1733 TECH CENTER 1600/29
<u>♣</u>	<del>\$</del> /-			
MB P	12.	Fernandez JE, Deaglio S, Donati D, Beusan I the distribution of human CD38 and of its 1 1998;12:81-91.	igand CD31 in normal tissue	
	13.	Silva CL, Cunha VM, Mendonca-Silva DL, Biochem. Pharmacol. 1998;56:997-1003.		
	14.	Graeff RM, Walseth TF, Lee HC. Radioimm tissues. Methods Enzymol. 1997;280:230-241		
	15.	Higashida H, Yokoyama S, Hashii M, Takete H, Noda M. Muscarinic receptor-mediated of membranes. J. Biol. Chem. 1997;272:31272-	lual regulation of Adr-1100s	
+	16.	Vn CO Covle DL, Jacobson MK, Natural of	ecurrence of 2'-phospho-cyc	lic ADP ribose in mammalian tissues.
	17.	Biochem. Biophys. Res. Commun. 1997 Jul 3 Vu CQ, Coyle DL, Tai HH, Jacobson EL, calcium signalling. Potential role of 2'-phos 1997;419:381-388.	Incoheon MK Intramolecu	lar ADP-ribose transfer reactions and xidative stress. Adv. Exp. Med. Biol.
	18.	Graeff RM, Walseth TF, Hill HK, Lee H characterization, and use. Biochemistry 1996	C. Fluorescent analogs of 6;35:379-386.	cyclic ADP-nibose: synthesis, spectral.
	19.	Muller-Steffner HM, Augustin A, Schuber F NAD+ glycohydrolase. Mechanism of o glycohydrolase. J. Biol. Chem. 1996;271:235	eyelization of pyridine nu 067-23972.	icicolides by botthe apicon in
	20.	Prasad GS, McRee DE, Stura EA, Levitt I cyclase, a homologue of the bifunctional ector	DG, Lee HC, Stout CD. Cry Dzyme CD38. Nat. Struct. Bio	31. 1990;3:93 <i>1-</i> 30 <del>4</del> .
	21.	Gadangi P, Longaker M, Naime D, Levin RI The anti-inflammatory mechanism of sulfase	Recht PA. Montesinos MC	Buckley MT, Carlin G, Cronstein BN.
<del>                                     </del>	22.	1996:156:1937-1941.  Aarhus R, Graeff RM, Dickey DM, Walseth of a calcium-mobilizing metabolite from NA	DP. J. Biol. Chem. 1995;2/C	1:30327 <b>-</b> 30333.
	23.	Takahashi K, Kukimoto I, Tokita K, Inaged T. Accumulation of cyclic ADP-ribose m leukemic HL-60 cells with all-trans-retinoic	a K, Inoue S, Kontani K, Ho easured by a specific radio acid. FEBS Lett. 1995;371:2	oshino S, Nishina H, Kanaho Y, Katada oimmunoassay in differentiated human 04-208.
	24.	Bronstein I, Fortin JJ, Voyta JC, Juo RR, reporter gene assays: sensitive detection of 176-177.	the GUS and SEAP gene pro	oducts. Diotectifiques 1994;11112 174;
11	25.	Day TA, Bennett JL, Pax RA. Serotonin a isolated from Schistosoma mansoni. Parasite	ology 1994;108:425-432.	
MIS	26.	Day TA, Maule AG, Shaw C, Halton DW peptides (FaRPs) contract Schistosoma m 1994;109:455-459.	, Moore S, Bennett JL, Pax ansoni (Trematoda: Digene	RA. Platyhelminth FMRFamide-related a) muscle fibres in vitro. Parasitology
Y02:4075	578.1			
Examiner		Da	te Considered	30/04

<sup>\*</sup> Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.

				Page 3 of 4
Form P	ΓO-1449	U.S. Department of Commerce atent and Trademark Office	Atty. Docket No. AP33438	Serial No. O9/9.82, 6/6
		TION DISCLOSURE STATEMENT	Applicant	RECEIVE
THE STATE	TION Y	BY APPLICANT		OCT U 7 2002
O'THE	QUs	e several sheets if necessary)	Filing Date August 16, 2000	1733 <b>TECH CENTER 1600/2</b>
33	SE SE	Graeff RM, Walseth TF, Fryxell K, Branton	AND I HC Engametic synthesis	and characterizations of cyclic
HB	27.	GDP-ribose. A procedure for distinguism	ng enzymes with ADI hoosy. Cy	
1	28.	Koguma T, Takasawa S, Tohgo A, Ka characterization of cDNA encoding rat ADF	Biophys. Acta 1994;1223:160-162.	
+-	29	. Murphy PM. The molecular biology of leuk	ocyte chemoattractant receptors. Ann	u. Rev. Immunol. 1994;12:593-
+	30	633. Weis JH. 'Race no more': an alternative a 1994:22:3427-3428.	approach to cloning the 5' end of	transcripts. Nucleic Acids Res.
	31	Parasitology 1993;106:471-477.	•	
+-	32	urchin eggs by stimulating cyclic ADP-ribo	se synthesis. Nature 1993,303.430-4.	,,,
	33	AW, Parkhouse RM, Howeard M. Express	unol. 1993;151:3111-3118.	
-	34	Formation and hydrolysis of cyclic ADP-ril	oose catalyzed by Tymphocyte and go	
$\vdash$	3.	5. Sorrentino V, Volpe P. Ryanodine recepto	rs: how many, where and why? Tre	nds Pharmacol. Sci. 1993;14:98-
+-	30	<ol> <li>Hakamata Y, Nakai J, Takeshima H, Ir receptor/calcium release channel from rabb</li> </ol>	it brain, FEBS Lett 1992,312.229-23	<u> </u>
+	3	7. Shinkai Y, Rathbun G, Lam KP, Oltz EM, Alt FW. RAG-2-deficient mice lack mature 1992;68:855-867.	e lymphocytes owing to manney to h	intrace v (2)0 tomi-general
$\top$	3	8. Galione A, Lee HC, Busa WB. Ca(2+)-ir cyclic ADP-ribose. Science 1991;253:1143	3-1140.	
+	3	9. Lee HC, Aarhus R. ADP-ribosyl cyclase: Cell Regul. 1991;2:203-209.		
1	14	O. Jackson DG, Bell JI. Isolation of a cDNA with an unusual discontinuous pattern 1990;144:2811-2815.	of expression during lymphocy	te differentiates.
MB	1	11. Baggiolini M, Walz A, Kunkel SL. Neutro neutrophils. J. Clin. Invest. 1989;84:1045-	ophil-activating peptide-1/interieukin 1049.	o, a mover cytokine umi accivatos
NY02:	407578.1			· · · · · · · · · · · · · · · · · · ·
Exami	ner	12	Date Considered 4/3	0/04

<sup>\*</sup> Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through conformance and not considered. Include copy of this form with next communication to applicant.

EV. 2-82	) Pat	J.S. Department of Commerce ent and Trademark Office	Arty. Docket No. AP33438	09/982616	
INFORMATION DISCLOSURE STATEMENT		ION DISCLOSURE STATEMENT	Applicant		
OTHE	(Use	BY APPLICAN I several sheets if necessary)	Filing Date August 16, 2000	Group 1733	
	<u>~</u>	Lee HC, Walseth TF, Bratt GT, Hayes RN	Clapper DL. Structural dete	ermination of a cyclic metabolite of	
WENT & TO	42.	NAD+ with intracellular Ca2+-mobilizing ac	nvity. J. Biol. Chem. 1909,204	:1608-1615.	
	43.	Frohman MA, Dush MK, Martin GR. Rapid using a single gene-specific oligonucleotide p	production of full-length cDNA primer, Proc. Natl. Acad. Sci. U	As from rare transcripts: amplification JSA 1988;85:8998-9002.	
	43.	Frohman MA, Dush MK, Martin GR. Rapid using a single gene-specific oligonucleotide particle of the Clapper DL, Walseth TF, Dargie PJ, Lee HC urchin egg microsomes desensitized to inosit	production of full-length cDN/ primer, Proc. Natl. Acad. Sci. U Pyridine nucleotide metabolit ol trisphosphate. J. Biol. Chem	As from rare transcripts: amplification JSA 1988;85:8998-9002.  tes stimulate calcium release from sea 1987;262:9561-9568.	
		Frohman MA, Dush MK, Martin GR. Rapid using a single gene-specific oligonucleotide processing a single general processing a single g	production of full-length cDN/ primer. Proc. Natl. Acad. Sci. U Pyridine nucleotide metaboli ol trisphosphate. J. Biol. Chem glycohydrolase, an ecto-enzy	As from rare transcripts: amplification JSA 1988;85:8998-9002.  tes stimulate calcium release from sea 1987;262:9561-9568.  yme of calf spleen cells. Biochem. J	
	44.	Frohman MA, Dush MK, Martin GR. Rapid using a single gene-specific oligonucleotide particle of Clapper DL, Walseth TF, Dargie PJ, Lee HC urchin egg microsomes desensitized to inosit Muller HM, Muller CD, Schuber F. NAD+	production of full-length cDN/ primer. Proc. Natl. Acad. Sci. U. Pyridine nucleotide metabolic ol trisphosphate. J. Biol. Chem glycohydrolase, an ecto-enzy well micro chemotaxis assembles 1980;33:239-247.	As from rare transcripts: amplification JSA 1988;85:8998-9002.  tes stimulate calcium release from sea 1987;262:9561-9568.  The of calf spleen cells. Biochem. Joy for rapid and accurate measurement	

## **RECEIVED**

OCT 0 7 2007 TECH CENTER 1600/2900

NY02:407578.1

Examiner

Date Considered

4/30/04

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not conformance and not considered. Include copy of this form with next communication to applicant.